Auto-dial Modem 1200

- ***No expensive software required – the "smarts" are built in***
- ***Built-in memory stores up to 20 phone numbers of up to 55 characters each***
- ***Automatic dial and answer***
- ***1200 bps and 0-300 baud operation***
- ***Fully communications-compatible with all Bell 212 and 103 modems***

This full-featured, 1200 bps auto-dialer is fully communications-compatible with ALL Bell 212 spec modems, including Hayes®. You can access information utilities like Dow Jones®, CompuServe®, and The Source®.

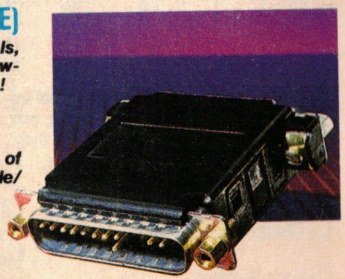
What's more, it requires no complicated or expensive communications software. Our Modem 1200 is as easy to use with a "dumb" terminal as it is with a PC.

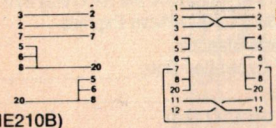
Auto Dial Modem 1200 (BA-MD785) **$279.00**

We offer many other styles and models of modems in the big **BLACK BOX® Catalog**. For a FREE subscription, call **(412) 746-5500 ext. 230**.

Async Modem Eliminator (AME)

- ***Direct-connect two async terminals, printers, PCs, etc. through the low-cost AME without using modems!***
- ***Easy to install and use***
- ***Great for "hardwired" PC-to-PC communications***
- ***Most available with your choice of Male/Male, Male/Female, or Female/Female connectors***





(ME210B)
(Female/Female only) (ME200) (ME201) (ME202)

AME
M/M(BA-ME201) **M/F**(BA-ME202) **F/F**(BA-ME200) **F/F**(BA-ME210B) **$19.00**

Other wiring configurations are available. Phone our Technical Support Department direct at **(412) 746-5565** for additional information.

To Order: (412) 746-5530 ext. 230

This little catalog is as customer friendly as our big one!

For your **FREE** subscription to the ***BLACK BOX® Catalog***, phone (412) 746-5500 ***ext. 230***

You get a lot from Black Box

This little catalog contains a selected group of some of the most commonly needed data communications products from our big, 144-page **BLACK BOX® Catalog**. Tens of thousands of customers around the world turn to us first, whenever they have to solve a data communications problem. We'd like you to turn to us, too.

To take advantage of our free technical support, fair prices, fast deliveries and extensive product line, all you have to do is subscribe to our catalog. It won't cost you a thing. Just call our Subscription Department at **(412) 746-5500 ext. 230** or use the reply form in the back of this catalog to start getting the FREE **BLACK BOX® Catalog** every six months.

- **FREE Telephone Technical Support**

We support every product we sell. Call **(412) 746-5565** for answers to any technical question.

- **Fast Deliveries**

Your order will be shipped within 24 hours on the carrier of your choice. We prepay freight charges and add them to your invoice.

- **The Black Box Unconditional Money-back Guarantee**

Try any of our products for thirty days. If you don't like it – even the color – send it back. (Except specially constructed or customized products, tools, or books.)

- **The Black Box Full-year Depot Warranty**

If any of our products fails in normal use during the first year of operation, return it to us and we'll repair or replace it – free.

(Abuse, alteration or misuse cancels all warranties.)

- **PLUS-ONE Extended Warranty**

At the time of purchase, you may order a second year of Depot Warranty protection for 7.5% of the product price.

To Order:

Phone our Order Department direct at **(412) 746-5535**

Mail your company Purchase Order to:

Black Box Corporation
PO Box 12800
Pittsburgh, PA 15241

or use the reply form in the back of this catalog.

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Prices are subject to change; products are subject to discontinuance.

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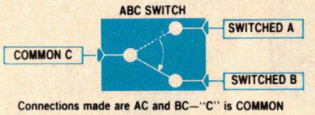
DATA SWITCHES

- ***Get maximum value from expensive printers, modems, terminals, and other peripherals – share them!***
- ***Stop changing cables the hard way – use our data switches!***

ABC Data Switches

Connect two devices to a common shared device and switch between them with a twist of a knob. Available with connectors for all common interfaces.



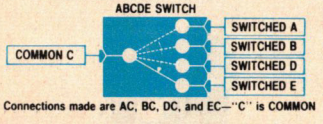
Connections made are AC and BC—"C" is COMMON

ABC-25 (For RS-232 applications)	(BA-SW010) **$ 99.95**
ABC-Centronics (For Centronics® applications)	(BA-SW250) **$149.00**
ABC-Coax (For Coaxial applications)	(BA-SW550) **$ 79.00**

If you need switches with any other type of interface connector, look in the big **BLACK BOX® Catalog**. For a FREE subscription, call **(412) 746-5500 ext. 230.**

ABCDE Data Switches

Connect up to four devices to a common shared device and switch among them with a twist of a knob. Available with connectors for all common interfaces.



Connections made are AC, BC, DC, and EC—"C" is COMMON

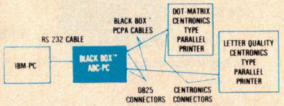
ABCDE-25 (For RS-232 applications)	(BA-SW050) **$165.00**
ABCDE-Centronics (For Centronics® applications)	(BA-SW260) **$189.00**
ABCDE-Coax (For Coaxial applications)	(BA-SW560) **$114.00**

For Technical Support: (412) 746-5565

PC Parallel Printer Interface Switches ABC-PC and ABCDE-PC

- ***Switch between devices connected to an IBM® or compatible PC's parallel interface***
- ***Choose an ABC or ABCDE switch to shift between two or among four devices***

The parallel printer port on IBM and Compatible PC's only *looks* like an RS-232 port. It uses the same DB25 connector as the RS-232 interface, but has very different interface requirements. Our ABC-PC and ABCDE-PC Switches are specially configured to meet those requirements.



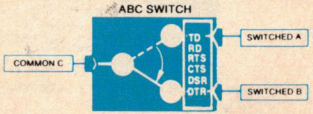
ABC-PC	(BA-SW018) **$ 99.95**
ABCDE-PC	(BA-SW019) **$165.00**

The big **BLACK BOX® Catalog** has a dozen different special applications switches for a variety of applications. For a FREE subscription, call **(412) 746-5500 ext. 230.**

ABC-25 Monitor Switch

- ***Special RS-232 ABC Switch with lead monitoring LEDs***

The ABC-25 Monitor Switch displays activity on the active connections with six LEDs. Leads monitored are 2 (TX), 3 (RX), 4 (RTS), 5 (CTS), 6 (DSR) and 20 (DTR).



Connections made are AC and BC - C IS COMMON

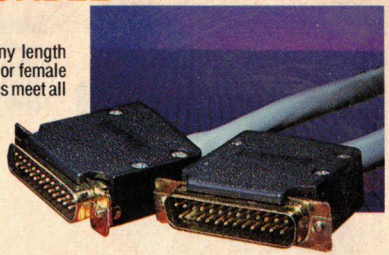
ABC-25 Monitor Switch	(BA-SW015) **$142.00**

To Order: (412) 746-5530 ext. 230

RS-232 DATA CABLE

Standard EIA Cable

Choose 12 or 25 conductors, in any length you need, with your choice of male or female connectors. Our standard EIA cables meet all the specifications of RS-232.



12-conductor cable, pinned 1-8, 15, 17, 20, 22	
5-ft. length	(BA-EC12C) **$15.50**
10-ft. length	(BA-EC12C) **$17.00**
Other lengths	**$14.00 + $ .30/ft.**
25-conductor cable, all conductors wired	
5-ft. length	(BA-EC25C) **$19.50**
10-ft. length	(BA-EC25C) **$22.00**
Other lengths	**$17.00 + $ .50/ft.**

Our big catalog has one of the most complete lines of data cables available anywhere, including 4-, 7-, & 16-conductor EIA and EDQ cables. For a FREE subscription, call today **(412) 746-5500 ext. 230.**

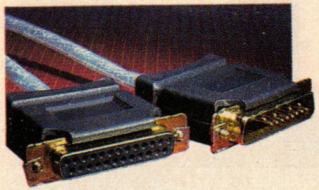
Extended Distance Quiet Cable

Special RS-232 data cable featuring a double metallic shield and twisted pair construction to reduce EMI/RFI emissions and increase transmission range. Perfect for installations that must meet FCC Part 15 Docket 20780, or where distances beyond the 50-foot EIA maximum are required. Comes with factory-molded EMI/RFI resistant hoods.

12-conductor cable, pinned 1-8, 15, 17, 20, 22	(BA-EM12C) **$20.00 + $ .60/ft.**
25-conductor cable, all conductors wired	(BA-EM25C) **$26.00 + $ .95/ft.**

For Technical Support: (412) 746-5565

FEP Plenum Cable



- ***Special fire resistant, low smoke producing cables for installation in dropped ceilings***
- ***Conforms to National Electric Code standards***

12-conductor FEP Plenum Cable (pinned 1-8, 15, 17, 20, 22) (BA-EY12C) **$18.00 + $1.28/ft.**

Cable Matchers

- ***Don't let wrong-sex connectors stop you from making connections***
- ***Use for cable-to-cable or cable-to-equipment connections***
- ***Screw locks included***

DB25 Male/Male Cable Matcher (All 25 leads connected) (BA-TS400) **$25.00**
DB25 Female/Female Cable Matcher (BA-TS410) **$25.00**

Our big catalog has one of the most complete lines of data cables available anywhere, including 4-, 7-, & 16-conductor EIA and EDQ cables. For a FREE subscription, call today **(412) 746-5500 ext. 230.**

IEEE-488 (GPIB/HPIB) Cable

- ***For all IEEE-488, General-purpose interface buss, or Hewlett Packard® interface buss applications***
- ***Dual male/female connectors on both ends permit daisychaining***

2 Meter (6.6 ft.) IEEE-488 Cable (BA-EX02M) **$76.00**

To Order: (412) 746-5530 ext. 230

IBM® PC Parallel Printer Adapter Cables

- ***Connect IBM (and compatible) PC's to Centronics-type printers***

DB25P (male) connector for IBM PC type parallel output port – standard male Centronics connector for parallel printer input port.

(Male/Male connectors standard, Male/Female connectors optional. *Specify connector type and length when ordering.*)

6-ft. length (BA-EY600-0006) **$2**
10-ft. length (BA-EY600-0010) **$2**

Centronics® Parallel Printer Cables

- ***For all Centronics-to-Centronics printer connections***

Standard cable has male connectors for female ports on PC's and parallel printers. Female connector on one end optional for extending existing cables or for use with our Mini Print Spooler.

(Male/Male connectors standard, Male/Female connectors optional. *Specify connector type and length when ordering.*)

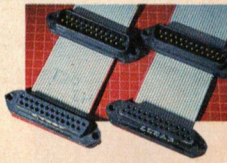
5-ft. length (BA-EQ380-0005) **$2**
10-ft. length (BA-EQ380-0010) **$3**

The big **BLACK BOX® Catalog** has over 500 problem solving data communications produ
For your FREE subscription, call **(412) 746-5500 ext. 230.**

Universal RS-232 Cable Adapter

- ***Eliminates wrong-sex cabling problems***

These handy, 25-conductor ribbon cables have both male and female connectors on each end to eliminate the problems of wrong-sex RS-232 connections. Available in three different lengths.



2-ft. length (BA-EY236-0002) **$2**
5-ft. length (BA-EY237-0005) **$3**
10-ft. length (BA-EY238-0010) **$4**

For Technical Support: (412) 746-5565

RS-232 Data Cable Connectors

- ***Easy to assemble – no soldering required***

To assemble these connectors, just crimp the insertion pins to the cable leads, insert them in the shell, add the hood and screwlocks, and plug the cable in. The inserted pins can be easily shifted to make future modifications a snap.

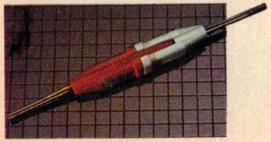
DB25 (RS-232) insertions shells	(Male)	(BA-FA010)	**$1.32 ea.**
	(Female)	(BA-FA020)	**$1.32 ea.**
Insertion Pins	(Male)	(BA-FA810)	**$ .10 ea.**
	(Female)	(BA-FA820)	**$ .10 ea.**
Hoods		(BA-FA030)	**$1.60 ea.**
Male Screwlocks		(BA-FA910)	**$ .33 set**
Female Screwlocks		(BA-FA920)	**$ .85 set**

Our big **BLACK BOX® Catalog** has connectors for all common data communications interfaces, plus a complete line of bulk data cable by the spool or by the foot. For your FREE subscription, call **(412) 746-5500 ext. 230.**

Crimp Pin Crimping Tool

- ***Attach male of female pins for insertion in series "D" connectors.***
- ***Handles 20 to 28 AWG wire and single or double collar pins***

Pin Insertion/Extraction Tool



- ***Makes inserting and removing the pins crimped with our Crimping Tool a whole lot easier***

Crimp Pin Crimping Tool	(BA-FT070)	**$116.50**
Pin Insertion/Extraction Tool	(BA-FT020)	**$ 2.36**

To Order: (412) 746-5530 ext. 230

NETWORKING HARDWARE

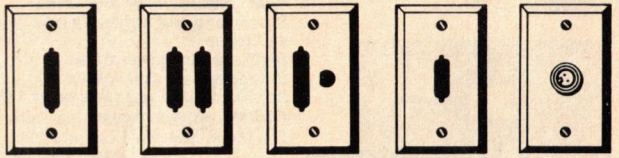
- ***The often overlooked "nuts and bolts" components of your data communications network installation***

When installing a data communications system, it's easy to forget the little things like wall plates and rackmount junction panels. That's why we offer the most complete selection of them available anywhere – always in stock for fast delivery. Below are some of the most commonly used varieties.

The big **BLACK BOX® Catalog** has many, many more. For your FREE subscription, call **(412) 746-5500 ext. 230.**

Wall Plates

- ***Easy to install – easy to use***

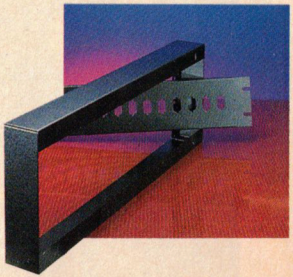


(BA-WP020)	(BA-WP040)	(BA-WP050)	(BA-WP080)	(BA-WP210)
$3.00	**$3.50**	**$5.00**	**$3.00**	**$5.50**

Modular Junction Panels

- ***Organize cables in an easy-to-change rackmount installation***

These Junction Panels are sized to fit all standard 19-inch racks. Single panels fit neatly on top of each other for multi-row installation. You can also mount these directly to walls with our 2-inch deep ring adapter that fits on standard 16-inch center wall studs.



RS-232 Junction panels —		
(16) DB25 openings per panel	(BA-JP221)	**$29.95**
Ring Adapters		
1 row	(BA-JP500)	**$35.00**
2 rows	(BA-JP525)	**$45.00**

For Technical Support: (412) 746-5565

Data Communicator's Tool Kit

- ***Everything you need for constructing, modifying, or installing cable in an easy-to-carry kit***

- ***Pin Insertion/Extraction Tool***
- ***Crimp Pin crimping Tool***
- ***Universal Cable Adapter (2 ft.)***
- ***Wire Stripper***
- ***Needle-nose Pliers***
- ***Side Cutters (large and small)***
- ***Screw and nut driver handle with 12 blades***
- ***Slotted 1/8-in. screwdriver***
- ***Soldering iron and solder***
- ***RS-232 Made Easy (See page 14)***
- ***Padded, zippered case (14"H x 9"W x 2"D)***

Data Communicator's Tool Kit (BA-FT800) **$295.00**

To Order: (412) 746-5530 ext. 230

TEST SETS

SAM 232-60 (Powered) Tri-State Test Set

- ***Our top-of-the-line Status Activity Monitor***
- ***Tri-state LEDs show lead activity and signal polarity***
- ***DIP switches reverse pins 2 and 3 and force CTS, DSR, and DCD high without jumpers***
- ***Total interface reconfiguration made easy***

SAM 232-60 (Powered) Tri-State – [with soft case] (BA-TS162) **$259.00**

BOB 232 Connect-all

- ***All-purpose RS-232 Break-out Box***
- ***Solve interface reconfiguration problems the easy way***
- ***Male and female connectors on both ends to eliminate connector gender problems***
- ***All RS-232 leads available for patching***

BOB 232 Connect-all (BA-TS711) **$ 75.95**

The Test Sets on this page are three of the many different test sets offered in the big **BLACK BOX® Catalog**. Models are available with a wide variety of connectors for common data communications interfaces. For your FREE subscription, call **(412) 746-5500 ext. 230.**

RS-232 Break-Out Box (BOB-232-15)

- ***Make permanent or temporary RS-232 interface reconfigurations the easy way***
- ***Rugged metal case***

The BOB-232-15 gives you total flexibility in reconfiguring RS-232 connections. You get both friction-fit and solder-socket patch points for all 25 interface leads for temporary or permanent applications, plus access holes with grommets for flying leads.

BOB-232-15 (BA-TSA50) **$49.95**

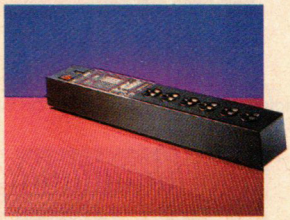
For Technical Support: (412) 746-5565

EQUIPMENT PROTECTORS

- ***Protect your equipment from both sources of damaging power surges – the power input line and the data communications line***

System Guardian Surge Protectors I and III

- ***Provides power line protection***

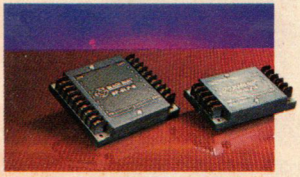


Both units provide six protected outlets for the equipment at your workstation. System Guardian III provides EMI filtering and has a special sensor in the master socket that activates the other sockets when the master socket device is turned on. You can "power-up" your entire workstation (printer, modem, etc.) by just turning on your terminal or PC.

System Guardian I	(BA-SP175)	**$ 75.00**
System Guardian III	(BA-SP177)	**$149.00**

Station Protectors (SP-SLP)

- ***Provides data line protection***



SP-SLPs prevent power surges caused by lightning, heavy machinery, etc. from attacking your equipment through the RS-232 data link.

SP-SLP 4-line	(BA-SP124)	**$ 89.00**
SP-SLP 8-line	(BA-SP128)	**$138.00**

These are just a few of the Surge and Station Protectors available in the big **BLACK BOX®** **Catalog**. For your FREE subscription, call **(412) 746-5500 ext. 230**.

NOTE: We warrant our products only, and shall not be responsible for any consequential damages.

To Order: (412) 746-5530 ext. 230

Mini Print Spooler

- ***Frees your PC from time-consuming printer driving***
- ***Available for matched and mismatched computer/printer interfaces***
- ***Choose 16K or 256K memory buffers***

A Mini Print Spooler can save you lots of time. It receives incoming data as fast as your computer can spit it out, stores it, and feeds it to your printer at speeds it can handle. If your computer and printer interfaces don't match, you can choose a model that solves that problem, too.

Mini-Print Spooler			
(Serial/Serial)	16K (BA-PIA60) **$329.00**	128K (BA-PID60) **$489.00**
	64K (BA-PIC60) **$375.00**	256K (BA-PIE60) **$598.00**
(Parallel/Parallel)	16K (BA-PIA70) **$249.00**	128K (BA-PID70) **$489.00**
	64K (BA-PIC70) **$315.00**	256K (BA-PIE70) **$598.00**
(Serial/Parallel)	16K (BA-PIA90) **$305.00**	128K (BA-PID90) **$489.00**
	64K (BA-PIC90) **$345.00**	256K (BA-PIE90) **$598.00**
(Parallel/Serial)	16K (BA-PIA80) **$305.00**	128K (BA-PID80) **$489.00**
	64K (BA-PIC80) **$345.00**	256K (BA-PIE80) **$598.00**

These are just two of the many problem solving printer interfaces in the big **BLACK BOX®** **Catalog**. For your FREE subscription, call **(412) 746-5500 ext. 230**.

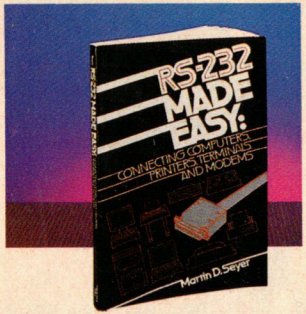
Basic Spooler

- ***"No-frills" Spooling at an affordable price***
- ***Stop slow printers from tying up your computer***
- ***For all Centronics® parallel computers and printers***
- ***Plugs in between your existing cable and printer; no additional cables needed***
- ***Choose 16K or 64K buffers***

16K Basic Spooler	(BA-PI001)	**$119.00**
64K Basic Spooler	(BA-PI002)	**$149.00**

For Technical Support: (412) 746-5565

RS-232 Made Easy



- ***Connecting Computers, Printers, Terminals, and Modems***
- ***by Martin D. Seyer***

RS-232 Made Easy is a must-have book for anyone involved in data communications. All elements of RS-232 are covered in detail; plus there's a comprehensive listing of the pinning requirements for over 300 different brand-name computers and printers.

RS-232 Made Even Easier

For a limited time, you can also take advantage of a special offer. You get RS-232 Made Easy and our SAM 232-5 Break-Out Box for a low, low price.

RS-232 Made Easy	(BA-AA328)	**$18.95**
RS-232 Made Easy and Sam 232-5	(BA-MS010)	**$85.00**

The big **BLACK BOX® Catalog** has over 500 problem solving data communications products. For your FREE subscription, call **(412) 746-5500 ext. 230**.

Volt/Ohm Line Tester (VOLT)

- ***Hand-held, battery-powered, digital multimeter***
- ***Easy to use and read***
- ***Measures Voltage from 0.1 millivolts through 500 volts – Resistance from 0.1 ohms through 20 megaohms.***

VOLT	(BA-TSD001)	**$64.95**

To Order: (412) 746-5530 ext. 230

IBM® PC/XT:

- ***Making the Right Connections***
- ***by Martin D. Seyer***

This book aids in solving the data communications problems of the IBM PC and PC/XT. It covers topics such as the use of Break-Out Boxes, operating system considerations, and tutorials on RS-232 and parallel communications interfaces.

IBM PC/XT: Making the Right Connections	(BA-AA337)	**$21.95**

*Twisted pair cable is available from the big **BLACK BOX® Catalog**. The big **BLACK BOX® Catalog** has many other Short Haul Modems and Line Drivers for a wide variety of applications. For your FREE subscription, call **(412) 746-5500 ext. 230**.

Non-powered Short Haul Modem (SHM-NPR and SHM-NPR1)

- ***World's smallest local dataset, takes no desk or shelf space***
- ***Ideal for any short range, async, DTE-to-DTE RS-232 application***
- ***Available for use on your own lines or telco leased lines***

SHM-NPR – for your own twisted pair lines		
Male connector	(BA-ME720)	**$85.00**
Female connector	(BA-ME725)	**$85.00**
SHM-NPR1 – for metallic telco circuits (Bell publication 43401)		
Male connector	(BA-ME722)	**$95.00**
Female connector	(BA-ME726)	**$95.00**

For Technical Support: (412) 746-5565

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